Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/26/2018 09:10 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124660	-1	1.75	124733	1.74
Blue	F	SSC	125000	124943	-1	1.90	125650	1.85
Blue	E	FITC	15760	15274	-4	2.95	330	22.62
Blue	D	PE	25880	25400	-2	1.98	551	16.93
Blue	B	PerCP-Cy5-5	34075	33989	-1	4.19	1038	21.86
Blue	A	PE-Cy7	22776	22911	0	7.32	551	43.65
Red	C	APC	42488	41534	-3	2.64	1567	13.03
Red	A	APC-Cy7	24478	24212	-2	2.75	828	13.08
Violet	B	V450	6304	6096	-4	4.08	341	17.51
Violet	A	V500	26005	25119	-4	3.65	592	13.37

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20678	7.97	608	11	N/A	N/A	Pass
Blue	F	SSC	56844	1.34	573	18	N/A	N/A	Pass
Blue	E	FITC	58	70.60	560	4	0.0148	106	Pass
Blue	D	PE	114	57.86	554	5	0.1227	278	Pass
Blue	B	PerCP-Cy5-5	195	54.01	653	6	0.0080	90	Pass
Blue	A	PE-Cy7	110	106.97	705	8	0.0099	28	Pass
Red	C	APC	372	27.21	600	0	0.0209	121	Pass
Red	A	APC-Cy7	202	27.58	571	0	0.0044	320	Pass
Violet	B	V450	55	77.90	494	5	0.0261	2043	Pass
Violet	A	V500	88	45.74	511	5	0.0123	950	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.12	-31.65	0.94
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.40
Red	18.37	13.60 - 20.40	N/A	N/A	31.40	31.94	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 13997

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments